"#5

Attorney Docket No.: 600-1-287N

COPY OF PAPERS ORIGINALLY FILED

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name.

I believe that I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

VR-OAC, AN OSMOTICALLY ACTIVATED CHANNEL PROTEIN, NUCLEIC ACIDS ENCODING IT, AND USES THEREOF

[X]	is attached hereto
[]	was filed on
	as Application Serial No
I here	by state that I have reviewed and understand the contents of the above-iden

Specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

APPLICATION NUMBER

the Specification of which

PRIOR FOREIGN FILED APPLICATION(S)

COUNTRY (MONTH/DAY/YYYY) PRIORITY
CLAIMED

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S) 60/243,568

FILING DATE (MM/DD/YYYY)
October 26, 2000

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent

PCT Parent

Parent Filing

Parent Patent

Application No.

Number

(MM/DD/YYYY)

Number (if applicable)

I hereby appoint as my attorneys or agents the registered persons identified under

Customer No. 23565

for the law firm of Klauber & Jackson, said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to Customer No. 23565.

DAVID A. JACKSON, ESQ. KLAUBER & JACKSON 411 HACKENSACK AVENUE HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST JOINT INVENTOR:	Wolfgang Liedtke		
COUNTRY OF CITIZENSHIP:	Germany		
FULL RESIDENCE ADDRESS:	500 E. 63 rd Street #23F New York, NY 10021 United States		
FULL POST OFFICE ADDRESS:			
SIGNATURE OF INVENTOR			
DATE			
FULL NAME OF SECOND JOINT INVENTOR:	Stefan Heller	en al l	
COUNTRY OF CITIZENSHIP:	Germany	SH 3/19/02	
FULL RESIDENCE ADDRESS:	430 E. 63 rd Street #7H New York, NY 10021 United States	-	
FULL POST OFFICE ADDRESS:			
SIGNATURE OF INVENTOR			
DATE March 19, 2002			



FULL NAME OF THIRD JOINT INVENTOR:

Albert James Hudspeth

COUNTRY OF CITIZENSHIP:

United States

FULL RESIDENCE ADDRESS:

DATE_

532 E. 87th Street

New York, NY 10128

United States

FULL POST OFFICE ADDRESS:	
SIGNATURE OF INVENTOR	
DATE	
FULL NAME OF FOURTH JOINT INVENTOR:	Jeffrey M. Friedman
COUNTRY OF CITIZENSHIP:	United States
FULL RESIDENCE ADDRESS:	151 Central Park West #6C New York, NY 10023 United States
FULL POST OFFICE ADDRESS:	
SIGNATURE OF INVENTOR	



COPY OF PAPERS ORIGINALLY FILED

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name.

I believe that I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

VR-OAC, AN OSMOTICALLY ACTIVATED CHANNEL PROTEIN, NUCLEIC ACIDS ENCODING IT, AND USES THEREOF

the Specifica	ation of which	
[X]	is attached hereto	
[]	was filed on	_
	as Application Serial No.	

I hereby state that I have reviewed and understand the contents of the above-identified Specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

APPLICATION NUMBER PRIOR FOREIGN FILED APPLICATION(S)

COUNTRY (MONTH/DAY/YYYY) PRIORITY
CLAIMED

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

<u>APPLICATION NUMBER(S)</u> 60/243,568

FILING DATE (MM/DD/YYYY)
October 26, 2000

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application No.

PCT Parent Number Parent Filing

Parent Patent

(MM/DD/YYYY) Number (if applicable)

I hereby appoint as my attorneys or agents the registered persons identified under

Customer No. 23565

for the law firm of Klauber & Jackson, said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to Customer No. 23565.

DAVID A. JACKSON, ESQ. KLAUBER & JACKSON 411 HACKENSACK AVENUE HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST JOINT INVENTOR:	Wolfgang Liedtke
COUNTRY OF CITIZENSHIP:	Germany
FULL RESIDENCE ADDRESS:	500 E. 63 rd Street #23F New York, NY 10021 United States
FULL POST OFFICE ADDRESS:	
SIGNATURE OF INVENTOR Would bate 4/17/2002	on, linke
FULL NAME OF SECOND JOINT INVENTOR:	Stefan Heller
COUNTRY OF CITIZENSHIP:	Germany
FULL RESIDENCE ADDRESS:	430 E. 63 rd Street #7H New York, NY 10021 United States
FULL POST OFFICE ADDRESS:	
SIGNATURE OF INVENTOR	
DATE	

FULL NAME OF THIRD JOINT INVENTOR:

Albert James Hudspeth

COUNTRY OF CITIZENSHIP:

United States

FULL RESIDENCE ADDRESS:

532 E. 87th Street

New York, NY 10128

United States

FULL POST OFFICE ADDRESS:

SIGNATURE OF INVENTOR

DATE 2.53.19

FULL NAME OF FOURTH JOINT INVENTOR:

Jeffrey M. Friedman

COUNTRY OF CITIZENSHIP:

United States

FULL RESIDENCE ADDRESS:

151 Central Park West #6C

New York, NY 10023

United States

FULL POST OFFICE ADDRESS:

SIGNATURE OF INVENTOR

DATE 4/19/07